

Application No.: 09/857,612

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Listing of Claims:

The listing of claims will replace all prior versions and listings of claims in the application:

- 1-18 (cancelled)
19. (currently amended) An isolated polynucleotide comprising: (a) a nucleic acid sequence encoding a polypeptide having plant lecithin:cholesterol acyltransferase activity, wherein the polypeptide has an amino acid sequence of at least 80% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:14; or (b) a complement of the nucleic acid sequence wherein the complement and the nucleic acid sequence consist of the same number of nucleotides and are 100% complementary.
20. (previously presented) The polynucleotide of Claim 19 wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:14 have at least 85% identity based on the Clustal alignment method.
21. (previously presented) The polynucleotide of Claim 19 wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:14 have at least 90% identity based on the Clustal alignment method.
22. (previously presented) The polynucleotide of Claim 19 wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:14 have at least 95% identity based on the Clustal alignment method.
23. (previously presented) The polynucleotide of Claim 19 wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:14.
24. (previously presented) The polynucleotide of Claim 19 wherein the polynucleotide comprises the nucleic acid sequence of SEQ ID NO:13.
25. (cancelled)
26. (cancelled)
27. (currently amended) A cell or a virus comprising the polynucleotide of Claim [[34]] 19.
28. (previously presented) The cell of Claim 27 wherein the cell is selected from the group consisting of a yeast cell, a bacterial cell, an insect cell, and a plant cell.
29. (previously presented) A transgenic plant comprising the polynucleotide of Claim 19.
30. (previously presented) A method for transforming a cell comprising introducing into a cell the polynucleotide of Claim 19.
31. (currently amended) A method for producing a transgenic plant comprising
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- (a) transforming a plant cell with the polynucleotide of Claim 19, and
(b) regenerating a transgenic plant from the transformed plant cell.
32. (cancelled)
33. (currently amended) A ~~chimeric-gene~~ A recombinant DNA construct comprising the polynucleotide of Claim 19 operably linked to at least one regulatory sequence.
34. (currently amended) ~~The chimeric-gene~~ The recombinant DNA construct of Claim 33, wherein the ~~chimeric-gene~~ recombinant DNA construct is an expression vector.
35. (currently amended) A method for ~~altering~~ increasing the level of plant lecithin:cholesterol acyltransferases polypeptide in a host cell, the method comprising:
a) Transforming a host cell with the ~~chimeric-gene~~ recombinant DNA construct of claim 34; and
b) Growing the transformed cell in step (a) under conditions suitable for the expression of the ~~chimeric-gene~~ recombinant DNA construct wherein expression of the recombinant DNA construct results in ~~altered~~ increased expression of the lecithin:cholesterol acyltransferases polypeptide in the transformed host cell.
36. (previously presented) A vector comprising the polynucleotide of Claim 19.
37. (previously presented) A method for transforming a cell comprising transforming a cell with the polynucleotide of Claim 19.
38. (cancelled)